

CLAIMS:

1. A device (1) for processing user information, the device (1) being arranged for cooperation with use enabling means (5), the use enabling means (5) being arranged for taking a first security feature into account which first security feature corresponds to a data circuit (DC1; DC2; DC3, DC4; DC5, DC6) and can be applied to the use enabling means and
5 is formed by movement data (PD, VD, AD), the movement data (PD, VD, AD) representing a movement of the at least one data circuit (DC1; DC2; DC3, DC4; DC5, DC6) along at least one defined track, and the use enabling means (5) being arranged for enabling the use of the device (1) if the movement data (PD, VD, AD) correspond to fixedly predefined specified movement data (MI).

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2. A device (1) as claimed in claim 1, the use enabling means (5) being arranged for taking a second security feature into account in addition to the first security feature, the second security feature corresponding to a data circuit (DC1; DC2; DC3, DC5) and being feedable to the use enabling means (5) and the use enabling means (5) being arranged for
15 enabling the use of the device (1) if in addition to the movement data (PD, VD, AD) corresponding to the fixedly predefined specified movement data (MI) the second security feature corresponds to specified security code information (SCI).

3. A device (1) as claimed in claim 2, the device (1) being arranged for
20 contactless communication with at least one data circuit (DC1; DC2; DC3, DC4), the data circuit (DC1; DC2; DC3, DC4) on its part being arranged for contactless communication and the device (1), using contactless communication between the device and the data circuit (DC1; DC2; DC3, DC4), being arranged for feeding both the first security feature and the second security feature to the use enabling means (5).

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4. A device (1) as claimed in claim 2, the device (1) comprising a data circuit (19) by means of which the use enabling means (5) are realized, the data circuit (19) comprising first communication means (18) arranged for contactless communication and for feeding the first security feature to the data circuit (19) and the data circuit (19) comprising

second communication means (16) arranged for contact-bound communication and for feeding the second security feature to the data circuit (19).

5. A device (1) as claimed in claim 1, the device (1) being arranged for
5 contactless communication with at least one data circuit (DC1; DC2; DC3, DC4, DC6), the
data circuit (DC1; DC2; DC3, DC4; DC6) in its turn being arranged for contactless
communication and the device (1) being arranged for receiving a signal (S; S') produced by
at least one data circuit (DC1; DC2; DC3, DC4; DC6) and the use enabling means (5), using
the received signal (S; S'), being arranged for detecting the movement of the at least one data
10 circuit (DC1; DC2; DC3, DC4; DC6).

6. A device (1) as claimed in claim 1, the use enabling means (5) being arranged
for detecting the movement of the at least one data circuit (DC1; DC2; DC3, DC4; DC5,
DC6) while three coordinates (X, Y, Z) of the space and a time-dependent change of the three
15 coordinates (X, Y, Z) are taken into account.

7. A device (1) as claimed in claim 2, the device (1) being arranged for receiving
the specified movement data (MI) assigned to the second security feature representing the
specified state of the movement while the data circuit (DC1; DC2; DC3, DC5) is taken into
20 account, to which data circuit (DC1; DC2; DC3, DC5) the second security feature
corresponds.

8. A method of enabling a use of a device (1) for processing user information, the
use of the device (1) being enabled by use enabling means (5) taking account of a first
25 security feature, the first security feature corresponding to at least one data circuit (DC1;
DC2; DC3, DC4; DC5, DC6) and being applied to the use enabling means (5) and being
formed by movement data (PD, VD, AD), the movement data (PD, VD, AD) representing a
movement of the at least one data circuit (DC1; DC2; DC3, DC4; DC5, DC6) along at least
one defined track and the use of the device (1) being enabled if the movement data (PD, VD,
30 AD) correspond to fixedly predefined specified movement data (MI).

9. A method as claimed in claim 8, in which for enabling the use of the
device (1) a second security feature is taken into account by the use enabling means (5) in
addition to the first security feature, the second security feature corresponding to a data

circuit (DC1; DC2; DC3, DC5) and being fed to the use enabling means (5), and the use of the device being enabled by the use enabling means (5) if in addition to the movement data (PD, VD, AD), corresponding to the fixedly predefined specified movement data (MI), the second security feature corresponds to specified security information (SCI).

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10. A method as claimed in claim 9, in which a first security feature and a second security feature are used which both correspond to a single data circuit (see DC1, DC2; DC5).

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11. A method as claimed in claim 9, in which contactless communication takes place between the device (1) which is arranged for contactless communication and at least one data circuit (DC1; DC2; DC3, DC4), which data circuit (DC1; DC2; DC3, DC4) in its turn is arranged for contactless communication, and in which during contactless communication both the first security feature and the second security feature are fed to the use enabling means (5) to enable the use of the device (1).

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12. A method as claimed in claim 9, in which a data circuit (19) is used for enabling the use of the device (1), which data circuit (19) is inserted in the device (1) for executing the method and by means of which data circuit (19) the use enabling means (5) are realized and which data circuit (19) comprises first communication means (18) which are arranged for contactless communication and for feeding the first security feature to the data circuit (19), and which data circuit (19) comprises second communication means (16) which are arranged for contact-bound communication and for feeding the second security feature to the data circuit (19).

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13. A method as claimed in claim 8, in which at least one data circuit (DC1; DC2; DC3, DC4) arranged for contactless communication and inserted in a communication area of the device (1) produces a signal (S; S') and this signal is received by the device (1) in a contactless manner and in which the movement of the at least one data circuit (DC1; DC2; DC3, DC4) is detected by utilizing the received signal (S, S').

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14. A method as claimed in claim 8, in which the movement of the at least one data circuit (DC1; DC2; DC3, DC4; DC5, DC6) is detected by taking three coordinates (X,

Y, Z) of the space into account as well as a time-dependent change of the three coordinates (X, Y, Z).

15. A method as claimed in claim 8, in which the device (1) receives the specified movement data (MI), which are assigned to the second security feature and represent the specified status of the movement.

16. A data carrier (DC5) for enabling the use of a device (1), comprising an electric circuit (19), the electric circuit (19) comprising use enabling means (5) and the circuit (19) comprising components for realizing first communication means (18) of the data carrier (DC5) which are arranged for the contactless communication and provided for applying a first security feature to the use enabling means (5), which first security feature corresponds to at least one data circuit (19, 21) and is formed by movement data (PD, VD, AD), the movement data (PD, VD, AD) representing a movement of the at least one data circuit (19, 21) along at least one track and the use enabling means (5) being arranged for taking the first security feature into account and for generating a use enabling signal (ES) if the movement data (PD, VD, AD) correspond to fixedly predefined specified movement data (MI).

17. A data carrier (DC5) as claimed in claim 16, in which the circuit (19) comprises components for realizing second communication means (16) of the data carrier (DC5) which are arranged for contact-bound communication and which are arranged for applying a second security feature to the use enabling means (5), which second security feature corresponds to the data carrier (DC5) and in which the use enabling means (5) in addition to the first security feature are arranged for taking the second security feature into account and in which the use enabling means (5) are arranged for enabling the use of the device (1) if in addition to the movement data (PD, VD, AD) which correspond to the fixedly predefined specified movement data (MI), the second security feature corresponds to specified security information (SCI).

18. A data carrier (DC5) as claimed in claim 16, in which the circuit (19) can be connected to an antenna configuration (2) by which antenna configuration (2) at least one antenna signal (S1, S2, S3) can be delivered to the circuit (19) during contactless communication and in which the use enabling means (5) while using the at least one antenna

signal (S1, S2, S3) is arranged for taking account of the movement of the at least one data circuit (19) as a first security feature.

19. A data carrier (DC5) as claimed in claim 18, in which the use enabling

5 means (5) comprise a signal processing stage (3) which is arranged for receiving the at least one antenna signal (S1, S2, S3) and for evaluating the at least one antenna signal (S1, S2, S3) with respect to at least one signal information item (SI1, SI2, SI3) representing the first security feature.

10 20. A data carrier (DC5) as claimed in claim 18, in which the use enabling means (5) comprise a movement detection stage (9) which is arranged for detecting the movement of the at least one data circuit (19, 21) while using at least one signal information item (SI1, SI2, SI3) contained in the at least one antenna signal (S1, S2, S3) and representing the first security feature.

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21. A data carrier (DC5) as claimed in claim 17, in which the use enabling means (5) comprise a security feature processing stage (10) which is arranged for receiving movement data (PD, VD, AD) forming the first security feature and for receiving data (SCD) representing the second security feature and which, if the movement data (PD, VD, AD) correspond to the specified movement data (MI) and the data (SCD) representing the second security feature correspond to the specified security information (SCI) are arranged for generating and delivering the use enabling signal (ES).

22. A data carrier (DC5) as claimed in claim 17, in which the use enabling
25 means (5) are arranged for delivering the use enabling signal (ES) to the second communication means (16).

23. A circuit (19) for a data carrier (DC5) for enabling a use of a device (1), which circuit (19) comprises use enabling means (5) and which circuit (19) comprises components
30 for realizing first communication means (18) of the data carrier (DC5) which are arranged for the contactless communication and are provided for applying a first security feature to the use enabling means (5), which first security feature corresponds to at least one data circuit (19, 21) and is formed by movement data (PD, VD, AD), the movement data (PD, VD, AD) representing a movement of the at least one data circuit (19, 21) along at least one track and

the use enabling means (5) being arranged for taking the first security feature into account and for generating a use enabling signal (ES) if the movement data (PD, VD, AD) correspond to fixedly predefined specified movement data (MI).

5 24. A circuit (19) as claimed in claim 23, in which the circuit (19) comprises components for realizing first communication means (16) of the data carrier (DC5) which are arranged for contact-bound communication and are provided for applying a second security feature to the use enabling means (5) which second security feature corresponds to the data carrier (DC5) and in which the use enabling means (5) in addition to the first security feature
10 are arranged for taking account of the second security feature and in which the use enabling means (5) are arranged for enabling the use of the device (1) if, in addition to the movement data (PD, VD, AD) which correspond to the fixedly predefined specified movement data (MI), the second security feature corresponds to a specified security information item (SCI).

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25. A circuit (19) as claimed in claim 23, in which the circuit (19) can be connected to an antenna configuration (2) from which antenna configuration (2) during contactless communication at least one antenna signal (S1, S2, S3) can be delivered to the circuit (19) and in which the use enabling means (5), while using the at least one antenna
20 signal (S1, S2, S3), is arranged for taking account of the movement of the at least one data circuit (19).

26. A circuit (19) as claimed in claim 25, in which the use enabling means (5) comprise a signal processing stage (3), which is arranged for receiving the at least one
25 antenna signal (S1, S2, S3) and for evaluating the at least one antenna signal (S1, S2, S3) with respect to at least one signal information item (SI1, SI2, SI3) representing the first security feature.

27. A circuit (19) as claimed in claim 25, in which the use enabling means (5)
30 comprise a movement detection stage (9) which is arranged for detecting the movement of the at least one data circuit (19, 21) while use is made of at least one signal information item (SI1, SI2, SI3) contained in the at least one antenna signal (S1, S2, S3) and representing the first security feature.

28. A circuit (19) as claimed in claim 24, in which the use enabling means (5) comprise a security feature processing stage (10) which is arranged for receiving movement data (PD, VD, AD) forming the first security feature and for receiving data (SCD) representing the second security feature and which, if the movement data (PD, VD, AD) correspond to the specified movement data (MT) and the data (SCD) representing the second security feature correspond to the specified security code information (SCI), is arranged for generating and for delivering the use enabling signal (ES).

29. A circuit (19) as claimed in claim 24, in which the use enabling means (5) are arranged for delivering the use enabling signal (ES) to the second communication means (16).